

PATENT APPLICATION PUBLICATION OF JAPAN

(11)Publication number : **50-150497A**
(43)Date of publication of application : **02.12.1975**

(51)Int.Cl. **G 01 N 31/08**

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(54) LIQUID CHROMATOGRAPHIC APPARATUS

Detailed Description of the Invention:

In FIG. 1 to FIG. 5, reference numeral 1 denotes a column, 2 denotes a separation/concentration filling agent, 3 and 4 denote cover lids of upper/lower end portions of the column 1, 5 denotes filters interposed between the column 1 and the upper/lower cover lids 3 and 4, 6 and 7 denote a liquid guide passages disposed to the upper/lower cover lids 3 and 4, 8 and 9 denote external projecting edge portions of the upper/lower cover lids 3 and 4 or the column 1.

FIG. 3 shows a sectional view of a holder portion B filled with a detachable portion A shown in FIG. 1 and FIG. 2, wherein 10 denotes a holder base, 11 and 12 denote a pair of upper/lower connectors, 13 and 14 denote external liquid guide pipe coupling ports disposed to external end surfaces of the respective upper/lower connectors 11 and 12, 15 and 16 denote liquid guide passages which causes to communicate the coupling ports 13 and 14 with the respective liquid guide passage 6 and 7 of the cover lids 3 and 4, respectively, 17 and 18 denote taper portions disposed to respective open sides of a lower surface and an upper surface of the connectors 11 and 12, respectively, and 19 denotes circular rubber sheets interposed between confronting contact surfaces of the respective connectors 11 and 12 and the holder base 10.